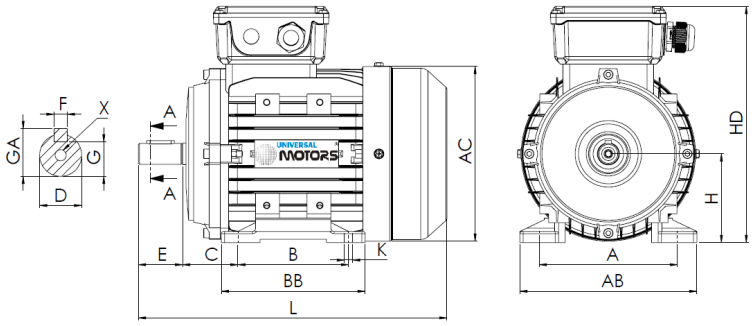
Technical Data Sheet
Electric Motor Three phase in Aluminum IE3



L (standard motor)
313

L (motor w/brake)
385

L (motor w/forced ventilation)
425

L (motor without ventilation)
279

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
90	140	125	56	10	24j6	50	8	20	27	M8x19	175	155	182	235	-	-	-	-	-

Electrical Data

Type	PE31/UM3A* 90L-6	
Poles	6/1000	Poles
Power	1.10	Kw
Voltage	400	V
Frequency	50	Hz
Speed	955	rpm
Nominal current	2.97	A
Power factor	0.66	
Efficiency 100%	81.0	%
Efficiency 75%	80.1	%
Efficiency 50%	76.4	%
Torque	11	N.m
Ta/Tn	2.1	
Ia/In	5.9	
Tm/Tn	2.1	

Mechanical Data

Shaft height	90	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S1	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	63	dB(A)
Weight	17	kg
Bearing DE	6205 2Z C3	
Bearing NDE	6204 2Z C3	

Extra Data

Applicable brakes

DC brake	REB-05-10	Brake torque	16	N.m
AC brake	NA	Brake torque	NA	N.m

Applicable forced ventilations

Single-phase forced ventilation	Power	45	W
Three-phase forced ventilation	Power	45	W

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